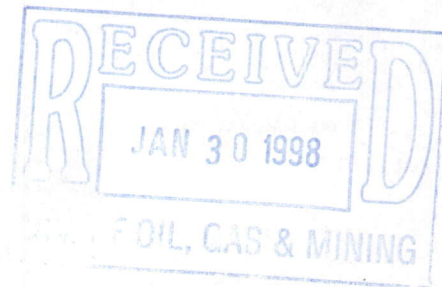


STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING  
1594 West North Temple Suite 1210  
Box 145801  
Salt Lake City, Utah 84114-5801  
Telephone: (801) 538-5291  
Fax: (801) 359-3940



ANNUAL REPORT OF MINING OPERATIONS

The informational requirements of this form are based on provisions of the Mined Land Reclamation Act, Title 40-8, Utah Code Annotated 1953, as amended, and the General Rules as promulgated under the Utah Minerals Regulatory Program. An operator conducting mining operations under a Notice of Intention must file an annual operations and progress report (FORM MR-AR) with the Division.

I. General Information

1. Report Time Period: From (mo./yr.) JAN 97 To (mo./yr.) DEC 97
2. DOGM File Number (Mine No): M 023 012
3. Mine Name: NIELSON SANDSTONE
4. Mineral(s) Mined (or permitted to mine): SANDSTONE
5. Type of mine ☒ Surface Mine or ☐ Underground Mine
6. Legal Description (Location of Lands Affected):  
N/W 1/4, S/E 1/4, 1/4, Section 11, Township 14S, Range 3W  
1/4, 1/4, 1/4, Section , Township , Range  
1/4, 1/4, 1/4, Section , Township , Range
7. Name of Operator or Company: ASH GROVE CEMENT COMPANY INC.
8. Permanent Street Address: P.O. BOX 51 (25 MILES WEST OF NEPHI)  
City, State, Zip: NEPHI, UT 84648  
Phone: (435) 857-1212
9. Company Representative (or designated operator):  
Name: DUANE CRUTCHFIELD  
Title: PLANT MANAGER  
Business Address: P.O. BOX 51  
City, State, Zip: NEPHI, UT 84648  
Phone: (435) 857-1212  
☐ Please check if any of the above information has changed since previous year.

II. Mining and Reclamation

1. Was the mine active during the past year? Yes ☒ No ☐
2. If active, how much ore or mineral was mined? 97401 TONS
3. If inactive, what year was the mine last active? \_\_\_\_\_

3. How much **additional acreage** was disturbed during the past year? 4.17 AC.

4. Briefly describe any new or additional surface disturbances that occurred during the past year. This description should include the type of work performed, and volume of material moved.

THE ACTIVE FACE, 450 ' X 60' ADVANCED IN A NORTH DIRECTION. THE FACE  
IS DRILLED, SHOT AND CRUSHED IN PIT AND HAILED TO THE LEAMINGTON  
PLANT. GROUND COVER WAS REMOVED AND PUSHED IN A NORTH DIRECTION TO  
A DRY STREAM. 97401 TONS HAILED TO THE LEAMINGTON PLANT

5. How much acreage was **reclaimed** during the past year? NONE

6. Briefly describe the reclamation work performed during the past year. This description should include methods employed, and an evaluation of the results.

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

7. What is the **total disturbed acreage** at years end? 17.91 AC.

8. Briefly summarize any mining and/or reclamation plans for the upcoming year.

MINING WILL ADVANCE IN A NORTHEASTERLY DIRECTION DURING 1998. THE  
FACE WILL BE DRILLED, SHOT AND CRUSHED; THEN TRANSPORTED TO THE  
LEAMINGTON PLANT. NO RECLAMATION IS PLANNED

**NOTE:** Section III., "Additional Information" applies only to **large mining operations**.

### III. Additional Information

1. An updated surface facilities map should be attached if there have been significant changes since the previous map was submitted.
2. Any monitoring results or other reports that are required under the terms of the approved notice of intention should also be attached.

### IV. Signature Requirement

I hereby certify that the foregoing is true and correct.

Name (Typed or Print):

DUANE CRUTCHFIELD

Title of Operator:

PLANT MANAGER

Signature of Operator:

Duane Crutchfield

Date:

1/28/98